



ES-2810 Ethernet Switch Release Notes

MANU0333-01 - Rev. A - June 1998

These release notes highlight features of the ES-2810 Ethernet Switch release, including the following:

- The ES-2810 Ethernet Switch, base configuration of 24 10/100Base-TX (RJ-45) ports and one Console port.
- The four-port 10/100TX (RJ-45) expansion module.
- The two-port 100Base-FX (SC) expansion module.
- The Stack Interface Module for high speed connection between two ES-2810 switches.
- The Matrix Module to establish scalable bandwidth among a group of ES-2810 switches.

The ES-2810 Ethernet Switch

Read this before installing FORE Systems ES-2810 Ethernet Switch.

Product Description

The ES-2810 Ethernet Switch has 24 10/100Base-TX (RJ-45) ports and one Console port. You can install an optional 4-port 10/100Base-TX module or a 2-port 100Base-FX module in the front slots.

Installation Instructions

Follow the instructions in the Quick Start.

Information Concerning FORE's Stack View Software

Refer to the README.TXT file on the Stack View CD (supplied with the switch).

Adobe Reader*

In some versions of Adobe Reader, you may not be able to read the on-line Reference Manual. To read the manual, uncheck the 'Smooth Text and Monochrome Image' box (in the File>Preference>General dialog box). If this problem persists, download a different version of the Adobe Reader from Adobe's World Wide Web site.

Known Software Errors

- Some devices using the 83840A National PHY (for example, some Ethernet adapter cards) do not support auto-negotiation fully. Customers must configure the link speed and duplex mode in these situations. A similar problem exists if the switch is connected to another switch using short cables. We recommend that both switches are configured to a specific link speed and full-duplex mode.
- A packet with CRC errors and a length of 64 bytes is counted as a runt.
- Packets may be lost when using flow control at speeds of 10Mbps.
- The fragment-free forwarding mode has been excluded from this release of the product.
- In the Local Management software, the Previous and Next buttons do not work in Monitoring>STP>Port.

Workstation Requirements for FORE's Stack View

A PC with an Intel486_ microprocessor or Pentium(D processor (recommended).

Minimum 8 Mbytes RAM (16 Mb or more recommended).

Hard disk with 5 Mbytes free disk space.

SVGA color display, 800 x 600 resolution minimum, 16 colors (1024 x 768 in 256 colors recommended).

One CD-ROM drive. Two or three button, Windows compatible mouse and driver.

For Additional Customer Support

Refer to the FORE Support Web Page: <http://support.fore.com>

The 10/100TX Module

Read this before installing the FORE 10/100TX Module for the ES-2810 Ethernet Switch.

Product Description

The FORE 10/100TX Module for the ES-2810 Ethernet Switch is installed in either of the slots on the front of the switch. Once installed, the four 10/100Base-TX (RJ-45) ports on the front of the module become active.

Product Features

The 10/100TX Module for is capable of dual speed (10Mbps and 100Mbps) and half- or full-duplex operation. Based on the capabilities of devices attached to the switch, the auto-negotiation feature automatically detects and selects the best transmission speed and duplex mode.

Additional Installation Instructions

For installation instructions, see the 'Installing a Module' section in the User Manual for your switch.

You must take care while installing the module. The best method to install it is push the module in with your thumbs positioned just beneath the screws on the front plate of the module.

If you push the module in incorrectly, you may find the module will not connect with the motherboard.

Warning

Media modules are not designed to be installed in, or removed from, the switch while it is in operation. You must power off the switch before attempting to install a media module.

The 100FX Module

Read this before installing the FORE 100FX Module for the ES-2810 Ethernet Switch.

Product Description

The FORE 100FX Module for the ES-2810 Ethernet Switch is installed in either of the slots on the front of the ES-2810 switch. Once installed, the two 100Base-FX (SC) ports on the front of the module become active.

Product Features

The 100FX Module for ES-2810 Ethernet Switch is capable of 100Mbps and can be configured to half- or full- duplex operation.

Additional Installation Instructions

For installation instructions, see the 'Installing a Module' section in the User Manual for your switch.

You must take care while installing the module. The best method to install it is push the module in with your thumbs positioned just beneath the screws on the front plate of the module.

If you push the module in incorrectly, you may find the module will not connect with the motherboard.

Warning

Media modules are not designed to be installed in, or removed from, the switch while it is in operation. You must power off the switch before attempting to install a media module.

The Stack Interface Module (SIM)

Read this before installing the Stack Interface Module for FORE ES-2810 Switches.

Product Description

The Stack Interface Module provides a high-speed connection between two FORE ES-2810 Switches (when a modules is installed in each switch).

Switch Software Requirement

To use this module in a FORE ES-2810 Ethernet Switch, the switch must be running Software v2. 10 (or a subsequent version).

If you are using FORE Stack View for Windows, you must use v1.40 (or a subsequent version).

If you do not have these software versions, refer to the FORE Support Web Page (<http://support.fore.com>) for full instructions on how to download the software.

Additional Installation Instructions

For installation instructions, see the 'Installing a Module' section in the User Guide for your switch.

You must take care while installing the module. The best method to install it is push the module in with your thumbs positioned just beneath the screws on the front plate of the module.

If you push the module in incorrectly, you may find the module will not connect with the motherboard.

Matrix Module

Read this before installing the Matrix Module for FORE ES-2810 Switches.

Product Description

The Matrix Module enables a group of FORE ES-2810 Switches with scalable bandwidth to be established.

Switch Software Requirement

To use this module in a FORE ES-2810 Switch, the switch must be running Software v2.20 (or a subsequent version).

If you are using FORE Stack View for Windows, you must use v1.51 (or a subsequent version).

If you do not have these software versions, refer to the FORE Support Web Page (<http://support.fore.com>) for full instructions on how to download the software.

Viewing the On-line Manual

The on-line manual, contained on the FORE documentation CD included with the switch, contains in-depth information about the ES-2810:

- Complete installation procedures.
- Procedures for using Stack View network management software to manage the switch.
- An overview of basic switching concepts.
- Troubleshooting information.

The on-line manual is provided in Portable Document Format (PDF) and can be viewed or printed using the Acrobat Reader Version 3.0 included on the FORE documentation CD.

If you already have the Acrobat Reader installed on your machine, you can simply run Acrobat and open the PDF file on the documentation CD. Or, you can install Acrobat using the files and directions on the FORE documentation CD.

The FORE Website

For the latest technical documentation and release notes for the ES-2810 and other FORE products, visit the FORE technical manual website at:

<http://www.fore.com/products/manuals.htm>

The website provides manuals in Portable Document Format (PDF). They can be viewed or printed using Adobe Acrobat Version 3.0 Readers.

Note for DEC Alpha Windows NT Users

Adobe Acrobat is unavailable on Windows NT running on DEC Alpha. To access the User Manual, print the PostScript version in the \DOCS directory or view it using a PostScript viewer.

Note for NetWare Users

Acrobat is unavailable in NetWare. You must run Acrobat from a Windows-based machine.

FCC Warnings, Statutory Notices and Disclaimers

Before installing the 10/100TX (RJ-45) expansion module, the 100Base-FX (SC) expansion module, the Stack Interface Module, and the Matrix Module, you must read the FCC Warnings, Statutory Notices and Disclaimers in Appendix A of the User Manual.

“Year 2000 Capable”

A FORE product, when used in accordance with its associated documentation, is “Year 2000 Capable” when, upon installation, it accurately stores, displays, processes, provides and/or receives date data from, into, and between the twentieth and twenty-first centuries, including leap year calculations, provided that all other technology used in combination with said product properly exchanges date data with it.

Contacting FORE Technical Support

In the U.S.A., customers can reach FORE Systems' Technical Assistance Center (TAC) using any one of the following methods:

1. Select the "Support" link from FORE's World Wide Web page:

<http://www.fore.com/>

2. Send questions, via e-mail, to:

support@fore.com

3. Telephone questions to "support" at:

800-671-FORE (3673) or 724-742-6999

4. FAX questions to "support" at:

724-742-7900

Technical support for customers outside the United States should be handled through the local distributor or via telephone at the following number:

+1 724-742-6999

No matter which method is used to reach the TAC, customers should be ready to provide the following:

- A support contract ID number
- The serial number of each product in question
- All relevant information describing the problem or question

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FORE Systems
1000 FORE Drive
Warrendale, PA 15086-7502
Phone: 724-742-4444
FAX: 724-742-7742
<http://www.fore.com>

